# **Panasonic**



**UPC Code** 

47-inch Class FULL HD LCD Display

## TH-47LF25U

DISPLAY PANEL Screen Size (Diagonal)	46.9-inch (1192 mm)				
Aspect ratio	16:9				
Effective Display Area (W x H )	40.9" x 23.0" (1039 x 584 mm)				
Number of pixels (H x V)	1920 x 1080 pixels				
Brightness (Typ)	500 cd/m²				
Contrast Ratio	1200:1				
Response Time	9 ms (G to G)				
Viewing Angle (Horizontal/Vertical)	178°/178°				
Operating Life	approx. 50,000 hours*				
*An approximate time until the panel brigh	ntness decreases to half of its original value.				
CONNECTION TERMINAL					
VIDEO IN	BNC x 1	1.0 Vp-p (7	50)		
S-VIDEO IN	Mini DIN 4 Pin x 1	Y:1.0 Vp-p (75Ω), C: 0.286 Vp-p (75Ω)			
AUDIO IN (VIDEO, S-VIDEO)	RCA Pin jack (L/R) x 1 set	0.5 Vrms	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
HDMLIN	HDMI TYPE A connector x 2 (Deep Color co				
COMPONENT/RGB IN	BNC x 3	G/Y	: with sync 1.0 Vp-p (75Ω)		
		B/P <sub>B</sub> /C <sub>B</sub>	: 0.7 Vp-p (75Ω)		
		R/Pr/Cr	: 0.7 Vp-p (75Ω)		
AUDIO IN	RCA Pin jack (L/R) x 1 set	0.5 Vrms			
DVI-D IN	DVI-D 24 Pin (HDCP compatible) x 1	0.5 41.715			
PC IN	MINI D-sub 15 Pin x1 (Female)	G	: with sync 1.0 Vp-p (75Ω)		
	Plug & Play (VESA DDC 2B)	-	: without sync 0.7 Vp-p (75 $\Omega$ )		
		В	: 0.7 Vp-p (75Ω)		
		R	: 0.7 Vp-p (75Ω)		
		HD/VD	: 1.0 - 5.0 Vp-p (high impedance		
AUDIO IN (DVI-D, PC)	M3 jack x 1	0.5 Vrms	. 1.0 3.0 vp p (mgm impedance		
SERIAL	D-sub 9 Pin x 1 (Male) (EXTERNAL CONTRO		2C compatible		
LECTRICAL	(**************************************				
	110 127V AC FOUL- (60LL-				
Power Requirements	110-127V AC, 50Hz/60Hz				
Rated Power Consumption	300W				
On Mode Average Power Consumption* Power off condition	approx. 190W				
	0.1W Save on 0.1W, Save off 0.2W				
Stand-by condition *Based on IEC 62087 Ed.2 measurement m					
"Based on IEC 62087 Ed.2 measurement m	ietnoa.				
AUDIO					
Built-in Speakers	8Ω, 10W [5W + 5W] (10%THD)				
MECHANICAL					
Dimensions (W x H x D)	42.5" x 24.6" x 4.0" (1079 x 624 x 101 mm)	\			
Carton Dimensions (W x H x D)	47.7" x 30.3" x 9.5" (1210 x 770 x 240 mm)	)			
Weight	approx. 50.7 lbs. (23.0 kg)	)			
Gross weight	approx. 50.7 lbs. (23.0 kg) approx. 61.8 lbs. (28.0 kg)				
Bezel Width	0.73" (18.6 mm)				
Cabinet Material / Color	Plastic / Black				
VESA mount	15.8" x 15.8" (400 x 400 mm) (Installed by:	M6 cerous / Cerous he	la danth 0 46" (11 4 mm))		
VESA MOUNT	15.8 x 15.8 (400 x 400 filiti) (fistalled by.	. IVIO SCIEWS/ SCIEW IIC	ile deptil 0.46 (11.4 mm))		
NVIRONMENTAL					
Operating environment	Temperature : 32°F to 104°F (0°C to 4	0℃)			
	Humidity : 20% to 80% (Non cor	ndensation)			
operating environment	T . 40°E . 440°E / 30°C .	60℃)*			
Storage environment	Temperature : -4°F to 140°F (-20°C to €				
Storage environment	Humidity : 20% to 90% (Non cond				
Storage environment					
Storage environment *If the Temperature is 104°F to 140°F (40°C	Humidity : 20% to 90% (Non cond				
Storage environment  *If the Temperature is 104°F to 140°F (40°C)  STANDARD (CERTIFICATIONS)	Humidity: 20% to 90% (Non condition 60°C), please keep in humidity 20% to 40%.				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS	Humidity : 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS  RADIATION REGULATIONS	Humidity: 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03 FCC Part 15 Class-B, ICES-003				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS	Humidity : 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS  RADIATION REGULATIONS  Energy Star Displays 5.1	Humidity: 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03 FCC Part 15 Class-B, ICES-003				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS  RADIATION REGULATIONS  Energy Star Displays 5.1  REMOTE CONTROL TRANSMITTER	Humidity: 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03 FCC Part 15 Class-B, ICES-003 Yes				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS  RADIATION REGULATIONS  Energy Star Displays 5.1  REMOTE CONTROL TRANSMITTER  Power Requirements	Humidity: 20% to 90% (Non conditions of the cond				
Storage environment  *If the Temperature is 104°F to 140°F (40°C  STANDARD (CERTIFICATIONS)  SAFETY REGULATIONS  RADIATION REGULATIONS  Energy Star Displays 5.1  REMOTE CONTROL TRANSMITTER	Humidity: 20% to 90% (Non condition to 60°C), please keep in humidity 20% to 40%.  UL60065, CAN/CSA-22.2No60065:03 FCC Part 15 Class-B, ICES-003 Yes				

#### MAIN FEATURE

Multi-Screen System	2 x 2, 3 x 3, 4 x 4, 5 x 5
,	n x m (max 5 x 5)
Power-on Delay	Yes
Seam Hides Video Off Mode	Yes
Digital Zoom	x2, x3, x4
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
PC Power Management	Yes
Power Save Mode	Yes
Auto Power Off	Yes
Standby Power Save Mode	Yes
ECO	On/Off/Sensor
Input lock	Yes
Button lock	Yes
Maximum volume level	Yes
Remote user level	Yes

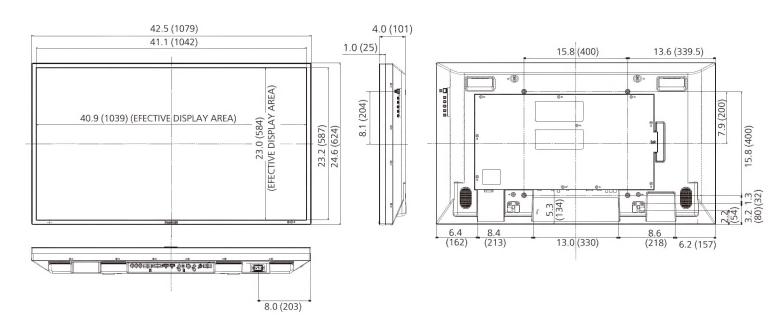
#### OPTIONAL ACCESSORIES

tai IT-STEF20
tai ii

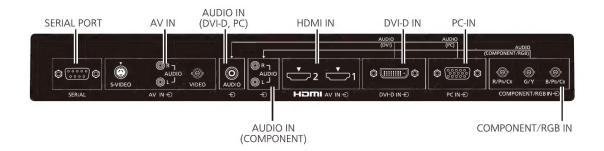
#### **O** DIMENSIONS

Cautions: This drawing is not a scale

Units: inches (mm)



### CONNECTION TERMINAL



#### **APPLICABLE INPUT SIGNALS**

	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO	COMPONENT IN (Dotclock(MHz))	RGB IN (Dotclock(MHz))	PC IN (Dotclock(MHz))	DVI-D IN (Dotdock(MHz))	HDMI1 HDMI2
Signals	NTSC PAL	15.73 15.63	59.94 50.00	Y					
š	PAL60 SECAM	15.73 15.63	59.94 50.00	Y					
NIGE OF INTERPRETATION	NTSC 4. 43 PAL M	15.73 15.73	59.94 59.94	Y					
Ś	PAL N	15.63	50.00	Ÿ	Y (13.5)				
	525(480)/60i 525(480)/60p	15.73 31.47	59.94 59.94		Y (27.0)			Y (27.0) Y (27.0)	Y
2	625(575)/50i 625(576)/50i	15.63 15.63	50.00 50.00		Y (13.5)			Y (27.0)	Υ
July Idio	625(575)/50p 625(576)/50p	31.25 31.25	50.00 50.00		Y (27.0)			Y (27.0)	Y
	750(720)/60p	45.00	60.00		Y (74.25) Y (74.25)			Y (74.25)	Υ
Component	750(720)/50p 1125(1080)/60p	37.50 67.50	50.00 60.00		Y (148.5)*1			Y (74.25) Y (148.5)	Y
1	1125(1080)/60i 1125(1080)/50p	33.75 56.25	60.00 50.00		Y (74.25)*1 Y (148.5)*1			Y (74.25) Y (148.5)	Y
3	1125(1080)/50i 1125(1080)/24sF	28.13 27.00	50.00 48.00		Y (74.25)*1 Y (74.25)*2			Y (74.25)	Y
ļ	1125(1080)/30p	33.75 28.13	30.00 25.00		Y (74.25)*1 Y (74.25)*1			Y (74.25)	Ϋ́Υ
	1125(1080)/25p 1125(1080)/24p	27.00	24.00		Y (74.25)*1 Y (74.25)*1	V/25 4=	V/25 43)	Y (74.25) Y (74.25) Y (25.17)	Y
	640x400@70Hz 640x400@85Hz	31.46 37.86	70.07 85.08			Y (25.17) Y (31.5)	Y (25.17) Y (31.5)	Y (31.5)	
	640x480@60Hz 640x480@60Hz	31.43 31.47	59.88 59.94			Y (25.15) Y (25.18)	Y (25.15) Y (25.18)	Y (25.15) Y (25.18)	Υ
	640x480@67Hz	35.00 37.86	66.67 72.81			Y (30.24)	Y (30.24) Y (31.5)	Y (30.24)	
	640x480@72Hz 640x480@75Hz	37.50	75.00			Y (31.5) Y (31.5)	Y (31.5)	Y (31.5) Y (31.5)	
	640x480@85Hz 720x400@70Hz	43.27 31.47	85.01 70.08			Y (36.0) Y (28.32)	Y (36.0) Y (28.32)	Y (36.0) Y (28.32)	
I	800x600@55Hz 800x600@56Hz	34.50 35.16	55.38 56.25			Y (35.33) Y (36.0)	Y (35.33) Y (36.0)	Y (35.33) Y (36.0)	
İ	800x600@60Hz 800x600@60Hz	37.88 38.00	60.32 60.51			Y (40.0) Y (40.13)	Y (40.0) Y (40.13)	Y (40.0) Y (40.13)	Υ
l	800x600@72Hz	48.08	72.19			Y (50.0)	Y (50.0)	Y (50.0)	
l	800x600@75Hz 800x600@85Hz	46.88 53.67	75.00 85.06			Y (49.5) Y (56.25)	Y (49.5) Y (56.25)	Y (49.5) Y (56.25)	
	852x480@60Hz 1024x768@50Hz	31.47 39.55	59.94 50.00			Y (33.54) Y (51.89)	Y (33.54) Y (51.89)	Y (34.24) Y (51.89)	
	1024x768@60Hz 1024x768@60Hz	48.36 48.50	60.00 60.02			Y (65.0) Y (64.99)	Y (65.0) Y (64.99)	Y (65.0) Y (65.18)	Υ
	1024x768@70Hz 1024x768@75Hz	56.48 60.24	70.07 74.93			Y (64.99) Y (75.0) Y (80.0)	Y (75.0) Y (80.0)	Y (75.0) Y (80.0)	
ŀ	1024x768@75Hz	60.02	75.03			Y (78.75)	Y (78.75)	Y (78.75)	
	1024x768@75Hz 1024x768@85Hz	61.01 68.68	75.70 85.00			Y (80.05) Y (94.5)	Y (80.05) Y (94.5)	Y (81.0) Y (94.5)	
,	1024x768@120Hz 1066x600@60Hz	97.55 37.64	119.99 59.94			Y (53.0)	Y (115.5) Y (53.0)	Y (115.5) Y (53.0)	
)	1152x864@60Hz 1152x864@75Hz	53.70 67.50	60.00 75.00			Y (81.62) Y (108.0)	Y (81.62) Y (108.0)	Y (81.62) Y (108.0)	
	1152x900@65Hz 1152x900@66Hz	61.20 61.85	65.20 66.00			Y (92.0) Y (94.5)	Y (92.0) Y (94.5)	Y (92.0)	
ļ	1152x900@75Hz	71.40	75.60			Y (105.1)	Y (105.1)	Y (94.5) Y (105.1)	
	1280x768@60Hz 1280x800@50Hz	47.78 41.20	59.87 50.00			Y (79.50) Y (68.55)	Y (79.50) Y (68.55)	Y (79.50) Y (68.55)	
l	1280x960@60Hz 1280x960@85Hz	60.00 85.94	60.00 85.00			Y (108.0) Y (148.5)	Y (108.0) Y (148.5)	Y (108.0) Y (148.5)	
İ	1280x1024@50Hz 1280x1024@60Hz	52.70 63.34	50.00 59.98			Y (89.38) Y (108.18)	Y (89.38) Y (108.18)	Y (89.38) Y (108.18)	
ŀ	1280x1024@60Hz 1280x1024@60Hz	63.90 63.37	60.00			Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	
	1280x1024@60Hz	63.74	60.02			Y (108.1)	Y (108.1)	Y (108.1)	
	1280x1024@60Hz 1280x1024@60Hz	63.98 63.79	60.02 60.18			Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Y
	1280x1024@66Hz 1280x1024@75Hz	70.66 79.98	66.47 75.02			Y (119.84) Y (135.0)	Y (119.84) Y (135.0)	Y (119.84) Y (135.0)	
ĺ	1280x1024@76Hz 1280x1024@85Hz	81.13 91.15	76.11 85.02			Y (135.0)	Y (135.0) Y (157.5)	Y (135.0) Y (157.5)	
	1360x768@60Hz	47.71 39.55	60.02 50.00			Y (85.5) Y (69.92)	Y (85.5) Y (69.92)	Y (85.5)	
	1366x768@50Hz 1366x768@60Hz	48.36	60.00			Y (86.71)	Y (86.71)	Y (69.92) Y (87.44)	
	1400x1050@60Hz 1400x1050@60Hz	65.12 65.32	59.91 59.98			Y (121.38) Y (121.75)	Y (121.38) Y (121.75)	Y (122.43) Y (121.75)	
	1400x1050@60Hz 1400x1050@75Hz	65.35 82.28	60.12 74.87			Y (121.81) Y (156.0)	Y (121.81) Y (156.0)	Y (121.85) Y (156.0)	
-	1600x1200@60Hz 1920x1080@60Hz	75.00 67.50	60.00			Y (162.0) Y (148.5)	Y (162.0) Y (148.5)	Y (162.0) Y (148.5)	
ļ	1920x1200@60Hz	74.04	59.95			,	Y (154.0)	Y (154.0)	
	Macintosh13"(640x480) MacintoshLC13"(640x480)	35.00 34.97	66.67 66.60			Y (30.24) Y (31.33)	Y (30.24) Y (31.33)	Y (30.24) Y (31.33)	
	Macintosh16"(832x624) Macintosh19"(1024x768)	49.72 60.24	74.55 75.08			Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	
Ì	Macintosh21"(1152x870) Macintosh II (1280x1024)	68.68 80.00	75.06 75.00			Y (100.0) Y (134.4)	Y (100.0) Y (134.4)	Y (100.0) Y (135.2)	

<sup>\*1:</sup>Based on SMPTE 274M standard. \*2:Based on SMPTE RP211 standard.